Abstract of the Disclosure

An array of pneumatic stimulating nodes with integral pneumatically operable ANDing is disclosed. These stimulating nodes may be used to convey spatial orientation information to an individual in an attitudinally ambiguous situation via direct stimulation of his skin. The stimulating nodes of the instant invention may be arranged orthogonally in an array if this is convenient, or in a wide range of other configurations. The pneumatic stimulating nodes of the invention are comprised of three layers, and upper layer, diaphragm layer, and a lower layer which may be separately injection molded from suitable materials, for example, urethane thermoplastic elastomer, and fused together using radio-frequency welding techniques to form the complete stimulating array.